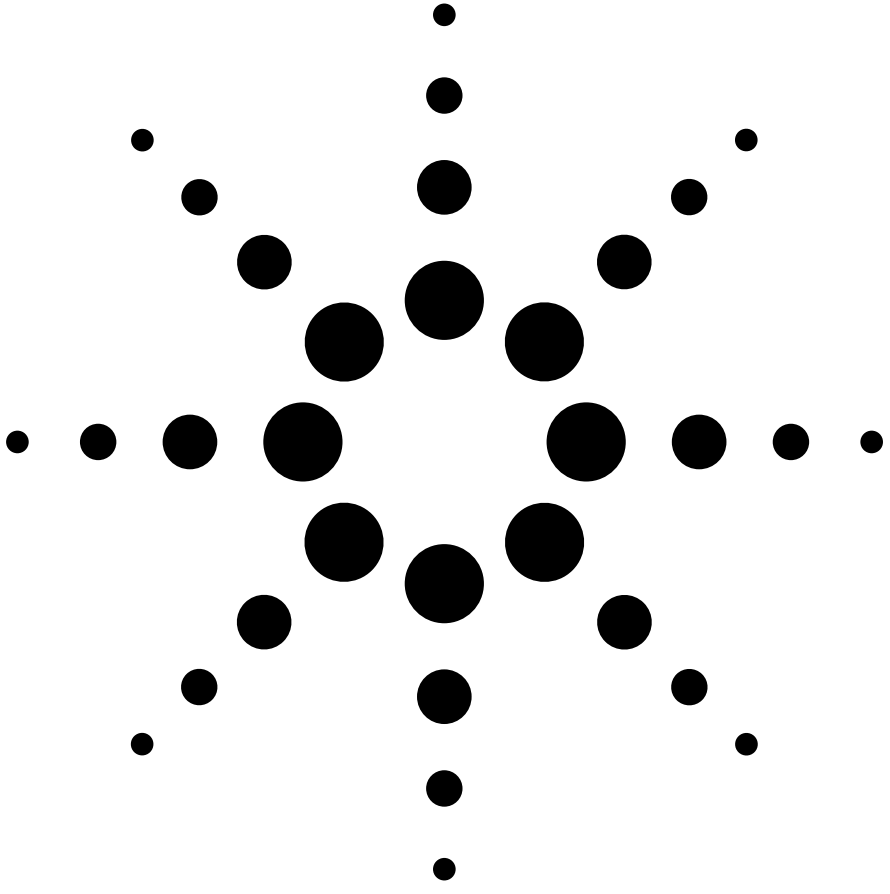

Installation Guide
NPD/ECD Chemical Filters
Accessory 19199N

Agilent Technologies

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Safety Information

The Agilent Technologies NPD/ECD Chemical Filters meets the following IEC (International Electrotechnical Commission) classifications: Safety Class 1, Transient Overvoltage Category II, and Pollution Degree 2.

This unit has been designed and tested in accordance with recognized safety standards and designed for use indoors. If the instrument is used in a manner not specified by the manufacturer, the protection provided by the instrument may be impaired. Whenever the safety protection of the Agilent 19231 has been compromised, disconnect the unit from all power sources and secure the unit against unintended operation.

Refer servicing to qualified service personnel. Substituting parts or performing any unauthorized modification to the instrument may result in a safety hazard. Disconnect the AC power cord before removing covers. The customer should not attempt to replace the battery or fuses in this instrument.

Safety Symbols

Warnings in the manual or on the instrument must be observed during all phases of operation, service, and repair of this instrument. Failure to comply with these precautions violates safety standards of design and the intended use of the instrument. Agilent Technologies assumes no liability for the customer's failure to comply with these requirements.

WARNING
A warning calls attention to a condition or possible situation that could cause injury to the user.

CAUTION
A caution calls attention to a condition or possible situation that could damage or destroy the product or the user's work.

Sound Emission Certification for Federal Republic of Germany

Sound pressure Lp < 68 dB(A)

During normal operation
At the operator position
According to ISO 7779 (Type Test)

Schallemission

Schalldruckpegel LP < 68 dB(A)
Am Arbeitsplatz
Normaler Betrieb
Nach DIN 45635 T. 19 (Typprüfung)

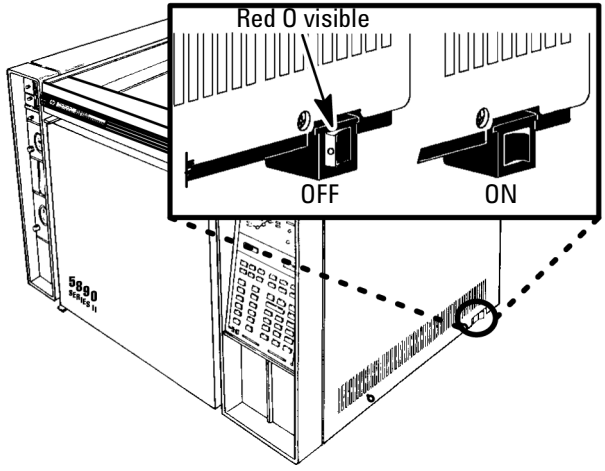
Agilent Technologies, Inc.
2850 Centerville Road
Wilmington, DE 19808-1610
USA

Installing the NPD/ECD Chemical Filters Accessory 19199N

Preparing the Instrument

WARNING Hazardous voltages are present in the instrument whenever the power cord is connected. Avoid a potentially dangerous shock hazard by disconnecting the power cord before working on the instrument.

1. Set the main power line switch to the off position.



2. Disconnect the power cable from its receptacle.
3. Allow time for the oven and heated zones to cool.
4. When the heated zones are cool, turn off all gas supplies at the source.
5. If an autosampler is installed on the instrument, it will be necessary to remove it and its mounting bracket to allow removal of the left side cover.

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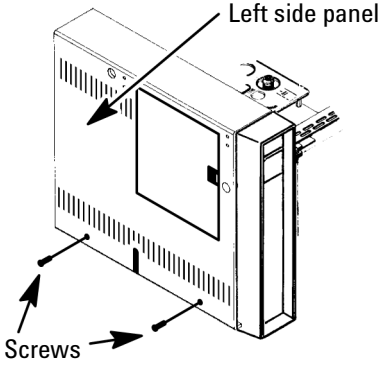
a. Remove the autosampler tray from its mounting bracket by simultaneously lifting and turning the two tray locks that hold it in position, then sliding the tray away from the instrument.

b. Lift the autosampler tray from its mounting bracket and set it aside.

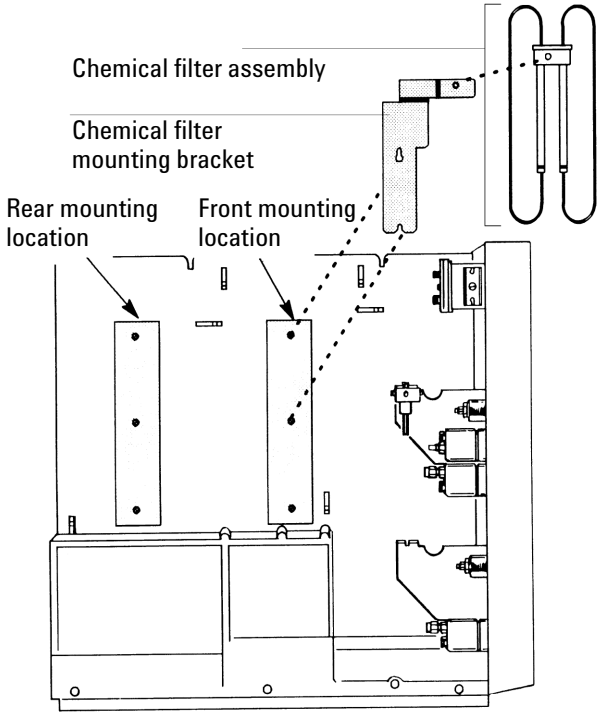
c. Remove the autosampler bracket by removing the 6 screws securing it to the instrument.

6. Remove the two screws securing the left side panel along its bottom edge.



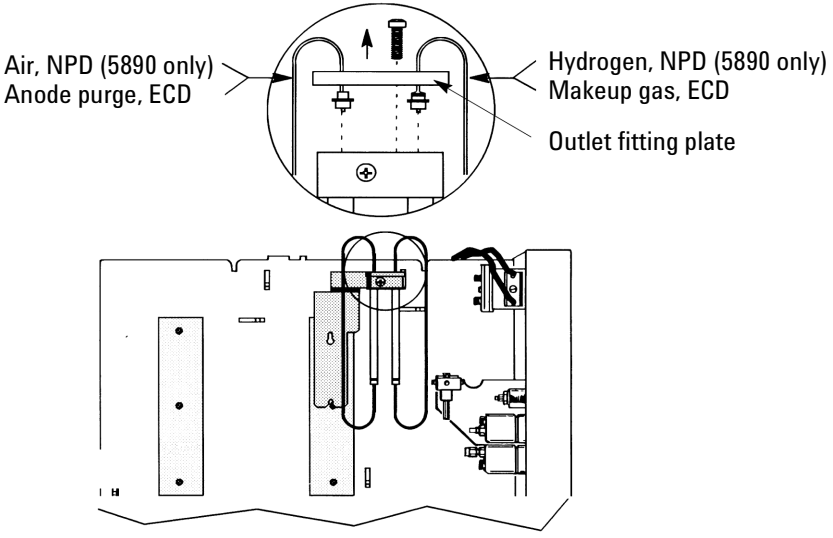
7. Slide the left side panel towards the rear of the instrument and lift.

Note The filter(s) can be installed on the flow panel in either a front or back position.



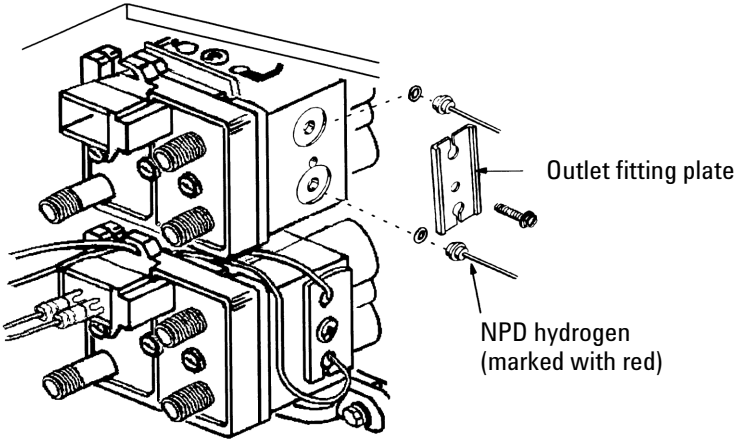
8. If an auxiliary flow panel is not installed, loosen the screws in the front or back mounting location on the flow panel. Slide the chemical filter mounting bracket and filter assembly onto the screws, then tighten.
9. If an auxiliary flow panel is present:
   a. Loosen the flow panel mounting screws.
   b. Slide the chemical filter mounting bracket (from the top) between the pressure regulators and the auxiliary flow panel. Position the top hole in the chemical filter bracket over the top mounting screw of the auxiliary flow panel.
   c. Tighten the auxiliary flow panel mounting screws.

10. Disconnect the outlet fitting plate from the top of the filters. Remove the flow lines from the filters. Route these lines to the detector flow manifold.

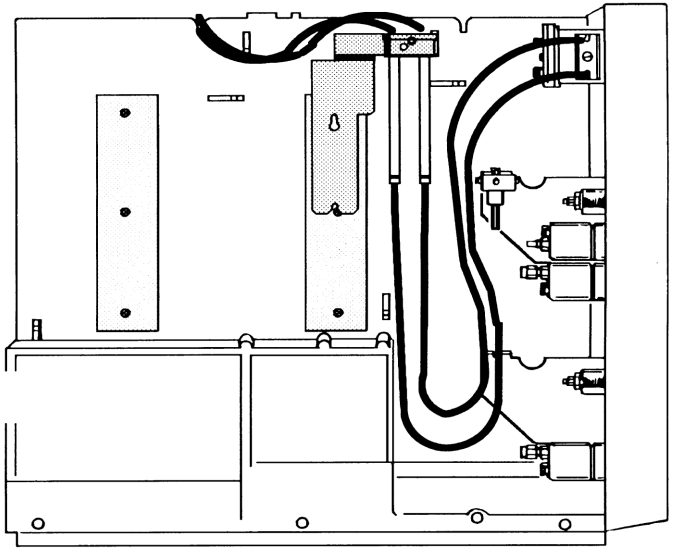


WARNING Hydrogen (H_2) is flammable and is an explosion hazard when confined in an enclosed space such as the oven. In any application using hydrogen, turn off the supply at its source before working on the instrument.

11. Disconnect the outlet fitting plate from the side of the detector flow manifold. Remove the flow lines from the detector flow manifold.



12. Connect the lines from the detector chemical filters to the detector flow manifold using the outlet fitting plate. This plate is made to fit in only the correct orientation.



13. Turn on the supply gases connected to the Detector Support Gas fittings. Leak test the connections at the flow manifold block and the top of the detector chemical filters.
14. Re-install the left side panel.

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